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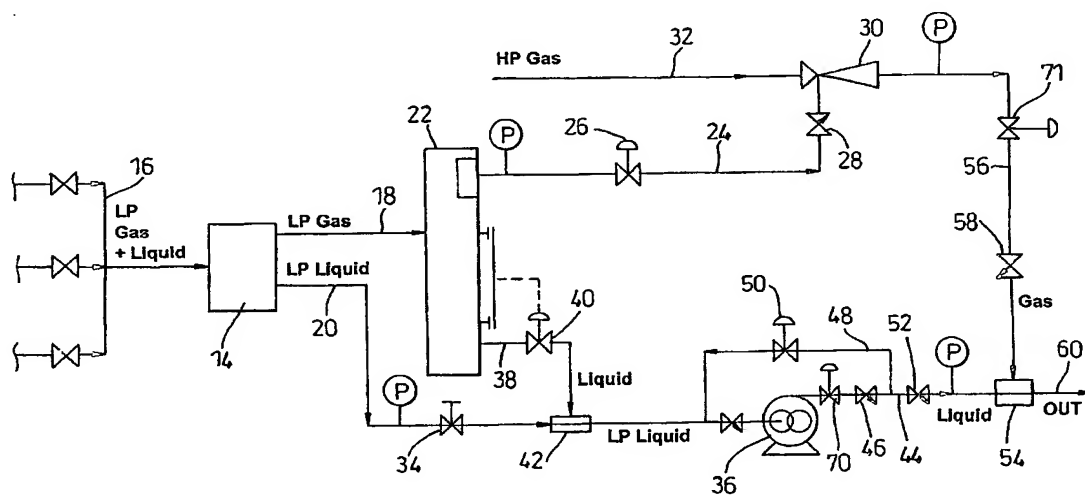
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(54) Title: **A SYSTEM AND PROCESS FOR PUMPING MULTIPHASE FLUIDS**



(57) Abstract: A system for pumping multiphase fluids includes a phase separator (14), a gas-gas jet pump (30) and a liquid pump (36). The phase separator (14) receives a LP multiphase fluid and separates a LP gas phase and a LP liquid phase from the LP multiphase fluid. The gas-gas jet pump (30) receives the LP gas phase from the phase separator (14) and a HP gas supply from a sustainable gas source, and has an outlet providing outlet gas at a pressure higher than that of the LP gas phase. The liquid pump (36) receives the LP liquid phase from the phase separator (14), and has an outlet providing outlet liquid at a pressure higher than that of the LP liquid phase.



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